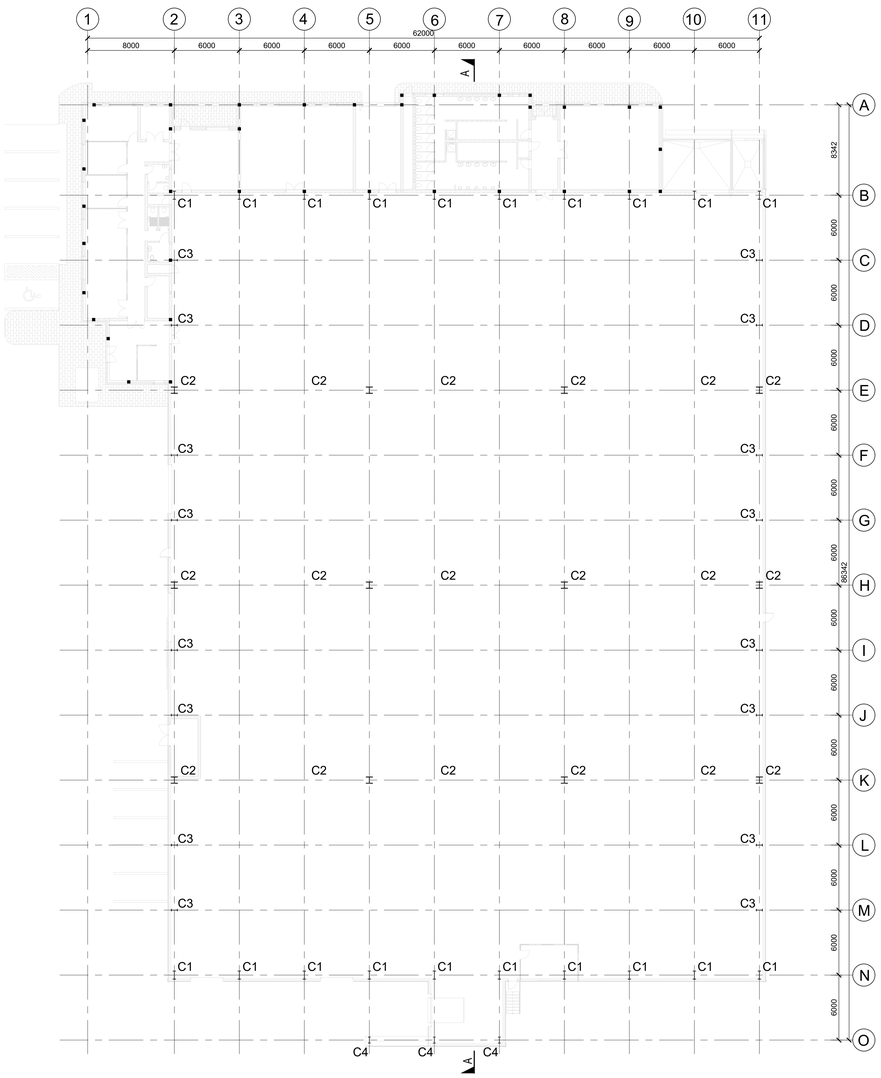
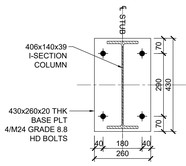
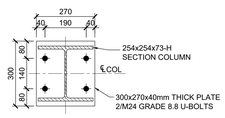


HD BOLT LAYOUT
SCALE 1:200



DETAIL C1
SCALE 1:10



DETAIL C2
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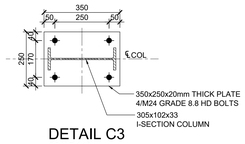
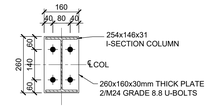
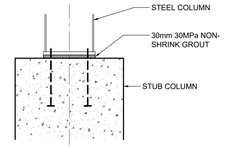


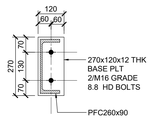
DETAIL C3
SCALE 1:10



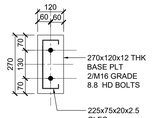
DETAIL C4
SCALE 1:10



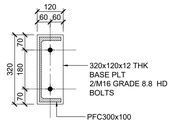
SECTION THRU COLUMN (TYPICAL)
SCALE 1:20



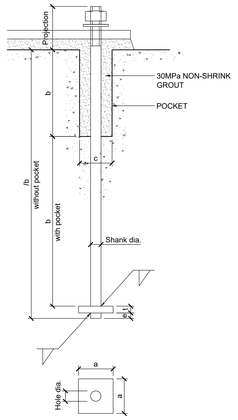
PFC260x90 BASE PLATE DETAIL
SCALE 1:10



225x75x20x2.5 CLFC BASE PLATE DETAIL
SCALE 1:10



PFC300x100 BASE PLATE DETAIL
SCALE 1:10



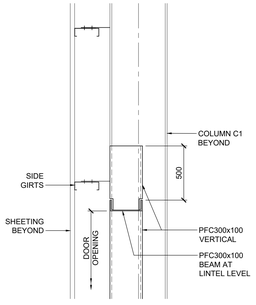
HD BOLT DETAIL
SCALE 1:5

COLUMN SCHEDULE		
REF.	COLUMN SIZE	DESCRIPTION
C1	457x191x67 UB	MAIN SUPPORT
C2	254x254x73-H COLUMN	GIRDER SUPPORT
C3	305x102x33 I-SECTION	GABLE
C4	254x146x31 I-SECTION	DOCK ROOF
U.N.O. ALL COLUMNS ARE SYMMETRICAL ON CENTER LINES		

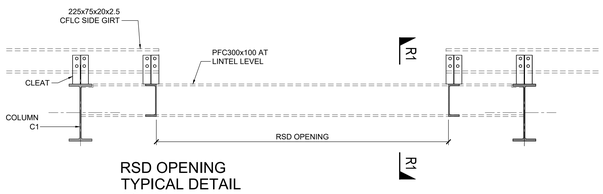
STRUCTURAL STEEL NOTES:

1. ALL BOLTS TO BE GRADE 8.8 U.N.O.
2. ALL WELDS TO BE E70XX FW U.N.O
3. DIMENSIONS TO EXISTING TO BE CONFIRMED ON SITE
4. SHOP DRAWINGS TO BE APPROVED BY ENGINEER PRIOR TO FABRICATION
5. STEEL GRADES:
   HOT ROLLED SECTIONS - S355JR
   HOLLOW SECTIONS - S355
6. ALL STEELWORK TO BE HOT DIPPED GALVANIZED
7. APPLY 2 LIBERAL COATS OF "ABE" FLINTCOAT TO BURIED STEEL FOR CORROSION PROTECTION
8. HD BOLTS TO BE CAST MONOLITHICALLY WITH STUB COLUMNS

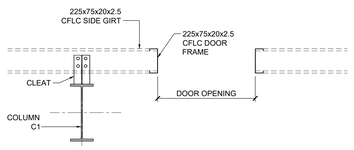
Bolt diameter on thread	Commercial Quality Bolt					Pocket	
	Bolt		Anchor plate				
	Tensile Strength *Tr*	Bond length *lb*	Size *a*	Thickness *t*	Weld size (top and bottom)	Depth *b*	Dia *c*
(mm)	(kN)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
16	84	300	90	14	5	100	75
20	131	440	110	14	6	150	75
24	189	570	130	14	8	200	75



SECTION R1-R1
SCALE 1:20



RSD OPENING TYPICAL DETAIL (PLAN)
SCALE 1:20



FIRE ESCAPE DOOR TYPICAL DETAIL (PLAN)
SCALE 1:20

General Notes:

- All dimensions and levels are to be checked on site by the Contractor and discrepancies must be reported to the Architect before any work commences.
- This drawing is to be read in conjunction with all other drawings including those of Consultants and/ or Bills of Quantities and/or specification issued for this project.
- Scaled dimensions are not to be used for construction. Should there be any discrepancies or lack of dimensions the Architects are to be contacted for clarification.
- Only drawings numbered 300 WD and upwards and showing the latest revisions are to be used for construction. All previously issued drawings are to be destroyed.
- This drawing is only to be used for the project and site for which it was prepared.
- No setting out is to commence before the positions of the boundary pegs on the site have been verified by a Land Surveyor.
- The Engineers reserve the copyright on this drawing.

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Drawing Revisions:

Revision	Date	Drawn By	Description
A	29.03.2021	AJ	ISSUED FOR TENDER

Client:

east london idz
business streamlined

Client Approval

Discipline
STRUCTURAL:
ZNM Consulting Engineers

Project Title
MANUFACTURING FACILITY IN ZONE 1A
EB - DRG - 11 - 20 - Z1A

Drawing Name **Working Drawings:**
Structural Steel
HD Bolt Layout & Details

Issue Date:	29.03.2021
Technician:	AJ
Checked By:	MM
Drawing Scale:	as shown

Drawing Number: **3301**
Paper Size: A0
Revision: **A**

ISSUED FOR: TENDER